Name: .... Class: ....

Compare fractions - word problems

1. A wood construction company found out that 3/4 of their employees buys mostly salad during lunch break and 7/9 buy fruits. Which purchase is made by a greater fraction of employees?

2. Last year, Miss Ella finished marking **5/9** of her tests scripts in just two days. While talking about this with Miss Sarah, Miss Sarah laughed and said she marked **7/10** of her scripts in just a day. Who has marked a greater fraction of her tests scripts?

3. Two close neighbors Mike and Stanley, went to a neighborhood store to buy some fruits. Stanley bought 3/7 of the apples stock while Mike bought 5/17 of the apples stock.
Which of the neighbors bought a lesser fraction of apples stock?

4. Mrs. Jones made two cakes, vanilla and red velvet that were exactly the same size and took it to a get together party. She cut the vanilla cake into 12 equal slices and the red velvet cake into 8 equal slices. People ate 6 slices of vanilla cake and 4 slices of red velvet cake. Did they eat less of vanilla or red velvet cake?

5. Today, Brandon's electronics' store sold 7/10 Samsung galaxy phones. In the same neighborhood, Mr. Jones' electronics' store sold 1/5 Samsung galaxy phones. If the two stores sold the same types of Samsung galaxy phones, which electronic store sold a smaller fraction of its phones?

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Compare fractions - word problems

1. A wood construction company found out that 3/4 of their employees buys mostly salad during lunch break and 7/9 buy fruits. Which purchase is made by a greater fraction of employees?

▸ fraction of employees that buys salad: 3/4
▸ fraction of employees that buys fruits: 7/9

Compare

$$\frac{3}{4} < \frac{7}{9}$$

Therefore, a greater fraction of employees buys **fruits.**

2.
▸ fraction marked by Miss Ella: 5/9.
▸ fraction marked by Miss Sarah: 7/10.

Compare

$$\frac{7}{10} > \frac{5}{9}$$

Therefore, **Miss Sarah has marked a greater portion of her test scripts.**

3.
▸ fraction of apples bought by Mike: 3/7.
▸ fraction of apples bought by Stanley: 5/17.

Compare

$$\frac{5}{17} < \frac{3}{7}$$

Therefore, **Stanley bought a lesser fraction of apples.**

4.
▸ Fraction of the vanilla cake people ate = 1/2.
▸ Fraction of the red velvet cake people ate = 1/2.

Compare

$$\frac{1}{2} = \frac{1}{2}$$

Therefore, they ate an equal fraction of vanilla cake and red velvet cake since 1/2 is equal to 1/2

5.
▸ Fraction of the phone Brandon's electronics' store sold = 7/10.
▸ Fraction of the phone Mr. Jones electronics' store sold = 1/5.

Compare

$$\frac{7}{10} > \frac{1}{5}$$

Therefore, , Mr. Jones electronics' store sold a smaller fraction of its phones since 1/5 is less than 7/10